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TECH CENTER 1600/2900

1627

## **RAW SEQUENCE LISTING**

PATENT APPLICATION: US/09/424,482C

DATE : 03/05/2002

TIME: 13:08:30

Input Set : N:\CrF3\02212002\I424482A.raw  
Output Set: N:\CRF3\03052002\I424482C.raw

#20

**ENTERED**

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/424,482C

DATE: 03/05/2002  
TIME: 13:08:30

Input Set : N:\Crf3\02212002\I424482A.raw  
Output Set: N:\CRF3\03052002\I424482C.raw

47 <211> LENGTH: 9  
48 <212> TYPE: DNA  
49 <213> ORGANISM: Artificial Sequence  
50 <220> FEATURE:  
51 <223> OTHER INFORMATION: Description of Artificial DNA: LIB 1/2 sorting  
52 sequence  
53 <221> NAME/KEY: modified\_base  
54 <222> LOCATION: (5)..(9)  
55 <223> OTHER INFORMATION: Any given nucleotide  
56 <400> SEQUENCE: 3  
W--> 57 gcggnnnnn 9  
59 <210> SEQ ID NO: 4  
60 <211> LENGTH: 31  
61 <212> TYPE: PRT  
62 <213> ORGANISM: Artificial Sequence  
63 <220> FEATURE:  
64 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger  
65 <221> NAME/KEY: MOD\_RES  
66 <222> LOCATION: (1)..(2)  
67 <223> OTHER INFORMATION: Any amino acid  
68 <221> NAME/KEY: MOD\_RES  
69 <222> LOCATION: (4)..(8)  
70 <223> OTHER INFORMATION: Any amino acid  
71 <221> NAME/KEY: MOD\_RES  
72 <222> LOCATION: (10)..(23)  
73 <223> OTHER INFORMATION: Any amino acid  
74 <221> NAME/KEY: MOD\_RES  
75 <222> LOCATION: (25)..(30)  
76 <223> OTHER INFORMATION: Any amino acid  
77 <221> NAME/KEY: MOD\_RES  
78 <222> LOCATION: (31)  
79 <223> OTHER INFORMATION: His or Cys  
80 <223> OTHER INFORMATION: Positions 1-2 may vary in length from  
81 0-2 residues  
82 <223> OTHER INFORMATION: Positions 4-8 may vary in length from  
83 1-5 residues  
84 <223> OTHER INFORMATION: Positions 10-23 may vary in length from  
85 9-14 residues  
86 <223> OTHER INFORMATION: Positions 25-30 may vary in length from  
87 3-6 residues  
88 <400> SEQUENCE: 4  
W--> 89 Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa 15  
90 1 5 10 15  
W--> 91 Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa Xaa Xaa 30  
92 20 25 30  
94 <210> SEQ ID NO: 5  
95 <211> LENGTH: 24  
96 <212> TYPE: PRT  
97 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 03/05/2002  
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Input Set : N:\CrF3\02212002\I424482A.raw  
Output Set: N:\CRF3\03052002\I424482C.raw

98 <220> FEATURE:  
99 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger  
100 <221> NAME/KEY: MOD\_RES  
101 <222> LOCATION: (1)  
102 <223> OTHER INFORMATION: Any amino acid  
103 <221> NAME/KEY: MOD\_RES  
104 <222> LOCATION: (3)..(6)  
105 <223> OTHER INFORMATION: Any amino acid  
106 <221> NAME/KEY: MOD\_RES  
107 <222> LOCATION: (8)..(10)  
108 <223> OTHER INFORMATION: Any amino acid  
109 <221> NAME/KEY: MOD\_RES  
110 <222> LOCATION: (12)..(16)  
111 <223> OTHER INFORMATION: Any amino acid  
112 <221> NAME/KEY: MOD\_RES  
113 <222> LOCATION: (15)..(16)  
114 <223> OTHER INFORMATION: Any amino acid  
115 <221> NAME/KEY: MOD\_RES  
116 <222> LOCATION: (18)..(19)  
117 <223> OTHER INFORMATION: Any amino acid  
118 <221> NAME/KEY: MOD\_RES  
119 <222> LOCATION: (21)..(23)  
120 <223> OTHER INFORMATION: Any amino acid  
121 <223> OTHER INFORMATION: Positions 3-6 may vary in length from  
122 2-4 residues  
123 <223> OTHER INFORMATION: Positions 8-10 may vary in length from  
124 2-3 residues  
125 <400> SEQUENCE: 5  
W--> 126 Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa  
127 1 5 10 15  
W--> 128 Leu Xaa Xaa His Xaa Xaa Xaa His  
129 20  
131 <210> SEQ ID NO: 6  
132 <211> LENGTH: 4  
133 <212> TYPE: PRT  
134 <213> ORGANISM: Artificial Sequence  
135 <220> FEATURE:  
136 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker  
137 <400> SEQUENCE: 6  
138 Thr Gly Glu Lys  
139 1  
141 <210> SEQ ID NO: 7  
142 <211> LENGTH: 5  
143 <212> TYPE: PRT  
144 <213> ORGANISM: Artificial Sequence  
145 <220> FEATURE:  
146 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker  
147 <400> SEQUENCE: 7  
148 Thr Gly Glu Lys Pro

RAW SEQUENCE LISTING DATE: 03/05/2002  
 PATENT APPLICATION: US/09/424,482C TIME: 13:08:30

Input Set : N:\Crf3\02212002\I424482A.raw  
 Output Set: N:\CRF3\03052002\I424482C.raw

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149      1      5
151 <210> SEQ ID NO: 8
152 <211> LENGTH: 26
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
157   structure sequence
158 <400> SEQUENCE: 8
159   Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Lys Ser Asp
160   1           5           10          15
161   Leu Val Lys His Gln Arg Thr His Thr Gly
162   20          25
164 <210> SEQ ID NO: 9
165 <211> LENGTH: 29
166 <212> TYPE: PRT
167 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
170   structure sequence
171 <400> SEQUENCE: 9
172   Pro Tyr Lys Cys Ser Glu Cys Gly Lys Ala Phe Ser Gln Lys Ser Asn
173   1           5           10          15
174   Leu Thr Arg His Gln Arg Ile His Thr Gly Glu Lys Pro
175   20          25
177 <210> SEQ ID NO: 10
178 <211> LENGTH: 6
179 <212> TYPE: PRT
180 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Leader peptide
183 <400> SEQUENCE: 10
184   Met Ala Glu Glu Lys Pro
185   1           5
187 <210> SEQ ID NO: 11
188 <211> LENGTH: 9
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial DNA: LIB 2/3 DNA
193   sorting sequence
194 <221> NAME/KEY: modified_base
195 <222> LOCATION: (1)..(5)
196 <223> OTHER INFORMATION: Any given nucleotide
197 <400> SEQUENCE: 11
W--> 198   nnnnnngcgcg
200 <210> SEQ ID NO: 12
201 <211> LENGTH: 9
202 <212> TYPE: DNA

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9

RAW SEQUENCE LISTING DATE: 03/05/2002  
PATENT APPLICATION: US/09/424,482C TIME: 13:08:30

Input Set : N:\Crf3\02212002\I424482A.raw  
Output Set: N:\CRF3\03052002\I424482C.raw

203 <213> ORGANISM: Artificial Sequence  
204 <220> FEATURE:  
205 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger -DNA  
206 interaction sequence  
207 <400> SEQUENCE: 12  
208 cgccccacgc 9  
210 <210> SEQ ID NO: 13  
211 <211> LENGTH: 9  
212 <212> TYPE: DNA  
213 <213> ORGANISM: Artificial Sequence  
214 <220> FEATURE:  
215 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger-DNA  
216 interaction sequence  
217 <400> SEQUENCE: 13  
218 acgccccacg 9  
220 <210> SEQ ID NO: 14  
221 <211> LENGTH: 9  
222 <212> TYPE: DNA  
223 <213> ORGANISM: Artificial Sequence  
224 <220> FEATURE:  
225 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger-DNA  
226 interaction sequence  
227 <400> SEQUENCE: 14  
228 gcgtggcg 9  
230 <210> SEQ ID NO: 15  
231 <211> LENGTH: 9  
232 <212> TYPE: DNA  
233 <213> ORGANISM: Artificial Sequence  
234 <220> FEATURE:  
235 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger-DNA  
236 interaction library designed sequence  
237 <221> NAME/KEY: modified\_base  
238 <222> LOCATION: (7)..(9)  
239 <223> OTHER INFORMATION: Any given nucleotide  
240 <400> SEQUENCE: 15  
W--> 241 acggcgnnn 9  
243 <210> SEQ ID NO: 16  
244 <211> LENGTH: 36  
245 <212> TYPE: PRT  
246 <213> ORGANISM: Artificial Sequence  
247 <220> FEATURE:  
248 <223> OTHER INFORMATION: Description of Artificial Sequence: LIB-A and  
249 LIB-B Zinc finger  
250 <400> SEQUENCE: 16  
251 Met Ala Glu Glu Arg Pro Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg  
252 1 5 10 15  
253 Arg Phe Ser Arg Ser Asp Glu Leu Thr Arg His Ile Arg Ile His Thr  
254 20 25 30  
255 Gly Gln Lys Pro

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/424,482C

DATE: 03/05/2002  
TIME: 13:08:31

Input Set : N:\Crf3\02212002\I424482A.raw  
Output Set: N:\CRF3\03052002\I424482C.raw

L:6 M:270 C: Current Application Number differs, Wrong Format  
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19